International Seminar
"Operator Theory, Differential Equations and their Applications"

Seminar Chairmen: Prof. Anatoly G. Kusraev, Prof. Marat A. Pliev
Seminar Secretary: PhD Batradz B. Tasoev

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Analytic Functional Calculus Generated by Two Operators

Prof. Vitalii G. Kurbatov
Voronezh State University, Russia

Let A and B be bounded linear operators, and f be analytic function of two variables. The result f(A;B) of substitution of A and B into f is discussed. Roughly speaking, f(A;B) is a transformer, i.e. it transforms an operator C into another operator f(A;B)C; in doing so A acts from one side and B acts from the other one. This transformer possesses properties similar to the properties of the usual functional calculus. It is supposed to discuss applications to differential equations of the second order with operator coefficients, the Sylvester equation, and the differential of the usual functional calculus.

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The seminar uses **Zoom** platform.

The seminar is organized by North Caucasus Center for Mathematical Research of the Vladikavkaz Scientific Center of the RAS jointly with Southern Mathematical Institute of the Vladikavkaz Scientific Center of the RAS.

If you have any questions please don't hesitate to contact the secretary of the seminar Batradz Tasoev at seminar_otde@mail.ru